

Jason R Plemel

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

4,041
citations

147786
31
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276858
41
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43
all docs

43
docs citations

43
times ranked

5145
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell transplantation therapy for spinal cord injury. <i>Nature Neuroscience</i> , 2017, 20, 637-647.	14.8	612
2	A Systematic Review of Cellular Transplantation Therapies for Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 1611-1682.	3.4	490
3	Skin-Derived Precursors Generate Myelinating Schwann Cells That Promote Remyelination and Functional Recovery after Contusion Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2007, 27, 9545-9559.	3.6	279
4	Progressive multiple sclerosis: from pathophysiology to therapeutic strategies. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 905-922.	46.4	265
5	Remyelination therapies: a new direction and challenge in multiple sclerosis. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 617-634.	46.4	201
6	An inhibitor of chondroitin sulfate proteoglycan synthesis promotes central nervous system remyelination. <i>Nature Communications</i> , 2016, 7, 11312.	12.8	167
7	Remyelination after spinal cord injury: Is it a target for repair?. <i>Progress in Neurobiology</i> , 2014, 117, 54-72.	5.7	155
8	Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. <i>Science Advances</i> , 2020, 6, eaay6324.	10.3	130
9	Mechanisms of lysophosphatidylcholine-induced demyelination: A primary lipid disrupting myelinopathy. <i>Glia</i> , 2018, 66, 327-347.	4.9	124
10	The molecular physiology of the axo-myelinic synapse. <i>Experimental Neurology</i> , 2016, 276, 41-50.	4.1	106
11	A Graded Forceps Crush Spinal Cord Injury Model in Mice. <i>Journal of Neurotrauma</i> , 2008, 25, 350-370.	3.4	104
12	Myelinogenic Plasticity of Oligodendrocyte Precursor Cells following Spinal Cord Contusion Injury. <i>Journal of Neuroscience</i> , 2017, 37, 8635-8654.	3.6	104
13	Axo-myelinic neurotransmission: a novel mode of cell signalling in the central nervous system. <i>Nature Reviews Neuroscience</i> , 2018, 19, 49-58.	10.2	100
14	Myelin regulatory factor drives remyelination in multiple sclerosis. <i>Acta Neuropathologica</i> , 2017, 134, 403-422.	7.7	87
15	Biochemically altered myelin triggers autoimmune demyelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5528-5533.	7.1	83
16	Niacin-mediated rejuvenation of macrophage/microglia enhances remyelination of the aging central nervous system. <i>Acta Neuropathologica</i> , 2020, 139, 893-909.	7.7	80
17	Locomotor recovery following contusive spinal cord injury does not require oligodendrocyte remyelination. <i>Nature Communications</i> , 2018, 9, 3066.	12.8	78
18	Intermittent Fasting Improves Functional Recovery after Rat Thoracic Contusion Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 479-492.	3.4	73

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19	Myelin inhibits oligodendroglial maturation and regulates oligodendrocytic transcription factor expression. <i>Glia</i> , 2013, 61, 1471-1487.	4.9	71
20	Oligodendrocyte death and myelin loss in the cuprizone model: an updated overview of the intrinsic and extrinsic causes of cuprizone demyelination. <i>Molecular Neurodegeneration</i> , 2022, 17, 34.	10.8	70
21	Axonal Thinning and Extensive Remyelination without Chronic Demyelination in Spinal Injured Rats. <i>Journal of Neuroscience</i> , 2012, 32, 5120-5125.	3.6	67
22	The fate and function of oligodendrocyte progenitor cells after traumatic spinal cord injury. <i>Glia</i> , 2020, 68, 227-245.	4.9	63
23	Immune modulatory therapies for spinal cord injury – Past, present and future. <i>Experimental Neurology</i> , 2014, 258, 91-104.	4.1	59
24	Unique spectral signatures of the nucleic acid dye acridine orange can distinguish cell death by apoptosis and necroptosis. <i>Journal of Cell Biology</i> , 2017, 216, 1163-1181.	5.2	54
25	Central nervous system macrophages in progressive multiple sclerosis: relationship to neurodegeneration and therapeutics. <i>Journal of Neuroinflammation</i> , 2022, 19, 45.	7.2	51
26	Central Nervous System Remyelination: Roles of Glia and Innate Immune Cells. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 225.	2.9	49
27	The CD33 short isoform is a gain-of-function variant that enhances $\text{A}\beta_{1-42}$ phagocytosis in microglia. <i>Molecular Neurodegeneration</i> , 2021, 16, 19.	10.8	46
28	Microglia Diversity in Health and Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2020, 11, 588021.	4.8	44
29	Deficient Surveillance and Phagocytic Activity of Myeloid Cells Within Demyelinated Lesions in Aging Mice Visualized by <i>Ex Vivo</i> Live Multiphoton Imaging. <i>Journal of Neuroscience</i> , 2018, 38, 1973-1988.	3.6	40
30	Platelet-derived growth factor-responsive neural precursors give rise to myelinating oligodendrocytes after transplantation into the spinal cords of contused rats and dysmyelinated mice. <i>Glia</i> , 2011, 59, 1891-1910.	4.9	37
31	Combination of olfactory ensheathing cells with local versus systemic cAMP treatment after a cervical rubrospinal tract injury. <i>Journal of Neuroscience Research</i> , 2010, 88, 2833-2846.	2.9	35
32	Over-the-counter anti-oxidant therapies for use in multiple sclerosis: A systematic review. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1485-1495.	3.0	33
33	Regulation of microglia population dynamics throughout development, health, and disease. <i>Glia</i> , 2021, 69, 2771-2797.	4.9	29
34	Intermittent Fasting in Mice Does Not Improve Hindlimb Motor Performance after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 1051-1061.	3.4	13
35	Aging-Exacerbated Acute Axon and Myelin Injury Is Associated with Microglia-Derived Reactive Oxygen Species and Is Alleviated by the Generic Medication Indapamide. <i>Journal of Neuroscience</i> , 2020, 40, 8587-8600.	3.6	13
36	Myelin Quantification in White Matter Pathology of Progressive Multiple Sclerosis Post-Mortem Brain Samples: A New Approach for Quantifying Remyelination. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12634.	4.1	6

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37	Neutrophil Contribution in Facilitating Optic Nerve Regeneration. Journal of Neuroscience, 2014, 34, 1081-1082.	3.6	5
38	Motor Axonal Regeneration following Cord Transection. Journal of Neuroscience, 2012, 32, 15645-15646.	3.6	1
39	An X-ray for myelin. Trends in Neurosciences, 2021, 44, 600-601.	8.6	1
40	How to counteract age when the nervous system is damaged. TheScienceBreaker, 2021, 07, .	0.0	0
41	Help or harm? How immune cells of the brain balance the immune response. TheScienceBreaker, 2020, 06, .	0.0	0